

Converting Colors

XYZ(34.3415, 19.0497, 6.5492)

Have a look what the booklet for
XYZ(34.3415, 19.0497, 6.5492)
contains.

XYZ(34.1873, 18.9709, 6.5625)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.1873, 18.9709,
6.5625)**

Conversions

Conversions Part 1

Format	Color
Hex	E52E3F
RGB	229, 46, 63
RGB Percent	90%, 18%, 25%
CMY	0.1020, 0.8195, 0.7529
CMYK	0.00, 0.80, 0.72, 0.10
HSL	354°, 78%, 54%
HSV	354°, 80%, 90%
XYZ	34.1873, 18.9709, 6.5625
YIQ	102.6550, 103.6110, 44.0830

Conversions

Conversions Part 2

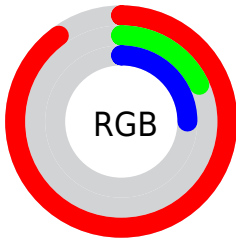
Format	Color
R_{YB}	229, 46, 63
Decimal	15019583
CIE _{Lab}	50.65, 68.29, 36.50
CIE _{LCh}	51, 77.433, 28.127
Yxy	18.9709, 0.5725, 0.3177
Android (android.graphics.Color)	4293209663 (0xFFE52E3F)
YUV	102.6550, -19.5499, 110.8046
Hunter-Lab	43.5556, 63.8845, 21.5557

Details

The XYZ color **34.1873, 18.9709, 6.5625** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **41.0322, 61.3737, 71.9811**, and the grayscale version is **12.8337, 13.5021, 14.7038**.

A 20% lighter version of the original color is **49.6852, 33.5596, 18.8979**, and **15.6433, 8.0498, 1.3911** is the 20% darker color. If you saturate the color by 10%, you get **33.0436, 17.4441, 3.8372**, and if you desaturate by 10%, it is **36.0273, 21.5404, 10.6002**.

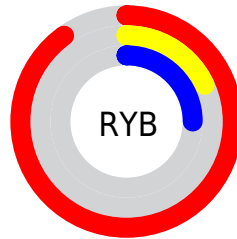
Distribution



Red (90%)

Green (18%)

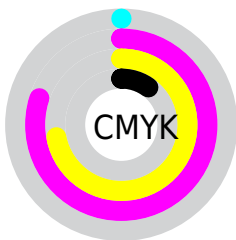
Blue (25%)



Red (90%)

Yellow (18%)

Blue (25%)

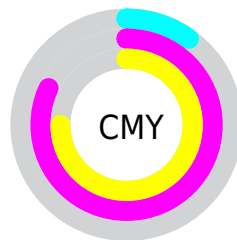


Cyan (0%)

Magenta (80%)

Yellow (72%)

Black (10%)



Cyan (10%)


Magenta (82%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1873, 18.9709, 6.5625 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 34.1873, 18.9709, 6.5625 by changing the saturation by 10% instead.

 34.1873, 18.9709,
6.5625


 34.1873, 18.9709,
6.5625


312.5376,
246.2881, 173.4679


 23.2011, 11.6493,
3.1158


 65.5672, 41.6849,
19.5852


 14.8636, 6.5053,
1.1540


 86.6916, 57.8461,
29.9982


 8.8094, 3.1547,
0.0000


 111.9261, 77.7225,
43.5704

 4.6732, 1.2130,
0.0000

 141.6360,
101.6987, 60.7203

 2.0896, 0.0723,
0.0000

 176.1868,
130.1589, 81.8664

 0.6835, 0.0000,
0.0000

 215.9438,

 0.0000, 0.0000,

163.4876, 107.4274

0.0000

261.2723,
202.0692, 137.8217

■ 34.1873, 18.9709,
6.5625

■ 34.1873, 18.9709,
6.5625

■ 33.0436, 17.4441,
3.8372

■ 36.0273, 21.5404,
10.6002

■ 32.4548, 16.7184,
2.2480


■ 38.6508, 25.2911,
16.0880


■ 32.4506, 16.7130,
2.2375


■ 42.1337, 30.3437,
23.1469


■ 46.5423, 36.8033,
31.8849

■ 51.9366, 44.7641,
42.4004

 58.3714, 54.3124,
54.7845

 65.8974, 65.5276,
69.1216

 74.5622, 78.4841,
85.4912

 84.4103, 93.2517,
103.9684

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.8807, 18.9709, 22.0511



34.1873, 18.9709, 6.5625



26.8774, 18.9709, 1.6171

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



34.1873, 18.9709, 6.5625



8.2677, 18.9709, 5.5223



17.5589, 18.9709, 96.8015

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



34.1873, 18.9709, 6.5625



41.0322, 61.3737, 71.9811

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



11.3764, 18.9709, 80.2747



34.1873, 18.9709, 6.5625



7.0324, 18.9709, 19.3212

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



34.1873, 18.9709, 6.5625



11.9944, 18.9709, 1.3800



7.9876, 18.9709, 47.2551



25.8147, 18.9709, 83.6955

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.1873, 18.9709, 6.5625



21.2003, 18.9709, 0.8080



7.9876, 18.9709, 47.2551



15.1949, 18.9709, 94.3828

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



34.1877, 18.9721, 6.5628



70.8520, 63.9005, 62.9255



41.8988, 21.4171, 76.0538



14.5461, 12.7591, 12.2756



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.1877, 18.9721, 6.5628



41.6241, 21.5908, 3.4067



39.4281, 30.0989, 6.3180



14.4310, 14.3896, 15.2043



18.5729, 9.5634, 1.3798



1.3912, 0.7142, 0.2005

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



34.1877, 18.9721, 6.5628



41.6241, 21.5908, 3.4067



27.1262, 29.9503, 78.4795



14.4310, 14.3896, 15.2043



18.5729, 9.5634, 1.3798



1.3912, 0.7142, 0.2005

Previews

White Background



This preview shows how the XYZ color 34.1873, 18.9709, 6.5625 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 34.1873, 18.9709, 6.5625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.1873, 18.9709, 6.5625

Background



This preview shows how black text looks on a background with the XYZ color 34.1873, 18.9709, 6.5625.



This preview shows how white text looks on a background with the XYZ color 34.1873, 18.9709,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

34.1873, 18.9709, 6.5625

Protanopia

17.8047, 19.1252, 11.9856

Deuteranopia

19.3282, 18.9934, 5.8962



Tritanopia

33.9658, 19.0764, 4.7976

Trichromacy



Original Color

34.1873, 18.9709, 6.5625

Protanomaly

21.1399, 16.6769, 9.5019

Deuteranomaly

22.9604, 17.1816, 5.8476

Tritanomaly

34.0359, 19.0383, 5.3709

Monochromacy



Original Color

34.1873, 18.9709, 6.5625

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

17.1732, 13.1287, 10.8615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1873, 18.9709, 6.5625 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(229, 46, 63)` looks like.

```
.text, #text, p{  
    color:rgb(229, 46, 63)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(229, 46, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 46, 63) }
```

Border

The CSS property to change the border of an element to XYZ 34.1873, 18.9709, 6.5625 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(229, 46, 63) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(229, 46, 63) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(229, 46, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 46, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 46, 63);  
box-shadow:4px 4px 4px 4px rgb(229, 46,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1873, 18.9709, 6.5625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 46, 63) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(229, 46,  
63) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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